

DOE HFCIT 2004 Merit Review Poster Presentations

		<u>Presenter</u>	<u>Organization</u>	<u>Fuel Cells</u>
FC-P1	Tues 7-9:30 PM	Tony Markel	NREL	Fuel Cell Vehicle Systems Analysis
FC-P2	Tues 7-9:30 PM	Eric Carlson	TIAX	Cost Analyses of Fuel Cell Stacks/Systems
FC-P3	Tues 7-9:30 PM	Winston Ho	Ohio State University	Development of Novel CO2-Selective Membrane for H2 Purification
FC-P4	Tues 7-9:30 PM	Ward TeGrotenhuis	PNNL	Microchannel Reformate Cleanup: Water Gas Shift and Preferential Oxidation
FC-P5	Tues 7-9:30 PM	John Kopasz	ANL	Effects of Fuels Constituents on Fuel Proc. Catalysts
FC-P6	Tues 7-9:30 PM	S. Narayanan	JPL	Development of Advanced Catalysts for Direct Methanol Fuel Cells
FC-P7	Tues 7-9:30 PM	Debbie Myers	ANL	Non-Precious Metal Cathode Electrocatalysts
FC-P8	Tues 7-9:30 PM	Oyelayo Ajayi	ANL	Low-Friction Coatings and Materials for Fuel Cell Air Compressors
FC-P9	Tues 7-9:30 PM	Dan Stevenson	Zoot	Montana PEM Membrane Degradation Study
FC-P10	Tues 7-9:30 PM	Severine Valdant	Oxford Perf. Materials	High Temp. MEA for PEMFC Device Based on SPEKK Blends
FC-P12	Tues 7-9:30 PM	Robert Weiss	UConn	Polymer Blend Proton Exchange Membranes
FC-P13	Tues 7-9:30 PM	Bindu Nair	Foster Miller	High Temperature Membranes
FC-P14	Tues 7-9:30 PM	Bryan Pivovar	LANL	High Temperature Polymer Electrolytes Based on Ionic Liquids
FC-P19	Tues 7-9:30 PM	John Kerr	LBNL	High Temperature Membranes
FC-P20	Tues 7-9:30 PM	Stefan Unnasch	TIAX	Fuel Cell Emissions
FC-P21	Tues 7-9:30 PM	Mehdi Namazian	Altex Technology Corp.	Fuel Preprocessor for Solid Oxide Fuel Cell Auxiliary Power Unit
FC-P22	Tues 7-9:30 PM	Greg Starheim	Delaware Co.Electric Co-op	Residential Fuel Cell Demonstration by the Delaware County Electric Cooperative
FC-P23	Tues 7-9:30 PM	Mohammad S. Alam	University of South Alabama	Smart Energy Management Control System
FC-P24	Tues 7-9:30 PM	Edgar Lara-Curizo	ORNL	Compact Carbon Foam Radiator for Fuel Cell Power Systems
FC-P25	Tues 7-9:30 PM	Fernando Garzon	LANL	CO Sensors For Fuel Cell Applications
		<u>Presenter</u>	<u>Organization</u>	<u>Technical Validation</u>
TV-P1	Wed 9-12 AM	Todd Carlson	Air Products & Chem.	Validation of an Integrated System for a Hydrogen-Fueled Power Park
TV-P2	Wed 9-12 AM	Bruce Nelson	Zoot Enterprises	Fuel Cell Installation and Demonstration Project In Gallatin County, Montana
TV-P3	Wed 9-12 AM	Fouad Fouad	University of Alabama	Global Assessment of Hydrogen-Based Technologies
TV-P4	Wed 9-12 AM	Raymond Hobbs	Pinnacle	Development of A Hydrogen Fuel Based Power Park
TV-P5	Wed 9-12 AM	Michael Quah	NextEnergy	Next Energy Microgrid and Hydrogen Fueling Facility
TV-P6	Wed 9-12 AM	Stephen Adams	FL Dept. of Envr.Protection	H2 Refueling Facility in Florida
TV-P7	Wed 9-12 AM	Derick Moss	RTC of Washoe County	Washoe County H2 Refueling Project
TV-P8	Wed 9-12 AM	Bill Clapper	Sunline	Hydrogen Commercialization: Transportation Fuel for the 21st Century
TV-P9	Wed 9-12 AM	Tom Williams	U of Nevada-Las Vegas	Renewable Hydrogen Fueling Station System
TV-P10	Wed 9-12 AM	Edgar Berkey	Concurrent Technologies Corp	Hydrogen Regional Infrastructure Program in Pennsylvania
TV-P11	Wed 9-12 AM	Richard Rocheleau	Hawaii Natural Energy Inst.	Hawaii Hydrogen Center for Development and Deployment of Distributed Energy Systems
		<u>Presenter</u>	<u>Organization</u>	<u>Education</u>
ED-P1	Wed 1:30-5 PM	Tim Turner	NC State University	Demonstration of a PEM Fuel Cell with On-Site Generation of Hydrogen
ED-P2	Wed 1:30-5 PM	Mira Vowles	Central Washington Univ.	Fuel Cell Demonstration and Coordinated Public Education Activities
ED-P3	Wed 1:30-5 PM	Scott Tolbert	University of North Dakota	Development and Dissemination of PEM Fuel Cell Educational Modules
ED-P4	Wed 1:30-5 PM	Ruth Borger	Lansing Community College	Lansing Community College Alternative Energy Center
ED-P5	Wed 1:30-5 PM	Debi Benoit	Nicholls State University	Shared Technology Transfer Project
		<u>Presenter</u>	<u>Organization</u>	<u>Hydrogen Production and Delivery</u>
HPD-P1	Tues 9-12 AM	Patricia Irving	InnovaTek	Novel Microchannel Catalytic Fuel Processing Technology
HPD-P2	Wed 9-12 AM	Ralph Dechiaro	Startech Environmental	Biomass Plasma Gasification
HPD-P3	Tues 9-12 AM	Richard Killmeyer	NETL	Water-Gas Shift Membrane Reactor Studies
HPD-P4	Wed 9-12 AM	Kim Magrini-Bair	NREL	Fluidizable Catalysts for Hydrogen Production from Biomass Pyrolysis/Steam Reforming
HPD-P5	Tues 9-12 AM	Stefan Czernik	NREL	Production of Hydrogen from Post-Consumer Residues
HPD-P6	Tues 9-12 AM	David King	PNNL	Aqueous Phase Catalyzed Biomass Gasification
HPD-P7	Tues 9-12 AM	Bob Evans	NREL	H2 Production by Catalytic Reforming of Pyrolysis Vapors
HPD-P8	Tues 9-12 AM	James Lee	ORNL	Creation of Designer Alga for Efficient and Robust Production of H2
HPD-P9	Tues 9-12 AM	Dan Blake	NREL	Photolytic Reactor Material Selection and Evaluation
HPD-P10	Wed 1:30-5 PM	Eric McFarland	U of California Santa Barbara	Photoelectrochemical H2 Prod. Using New Combinatorial Chemically Derived Materials
HPD-P11	Wed 9-12 AM	David Ingersoll	SNL	High Efficiency Electrolysis Materials Research
HPD-P12	Wed 9-12 AM	Cecelia Cropley	Giner Electrochemical	High-pressure Electrolyzer Without Downstream Compression
HPD-P13	Wed 1:30-5 PM	David DaCosta	Ergenics	Hydride Based H2 Compression
HPD-P14	Wed 1:30-5 PM	Joan Ogden	UC Davis	New Methods for Modeling Regional Hydrogen Infrastructure Development
HPD-P15	Wed 1:30-5 PM	Sivan Kartha	Tellus	H2 Infrastructure Transition
HPD-P16	Tues 9-12 AM	Stephen Lasher	TIAX	Fuels Choice: H2 Transportation Risk Analysis
HPD-P17	Tues 9-12 AM	Dan Smith	GE Global Research	New York State HI-Way Initiative
HPD-P18	Tues 9-12 AM	Dan Reicher	Northern Power Systems	EVermont
HPD-P19	Wed 1:30-5 PM	Pete Disser	Nisource Energy Technologies	Fuel Cell Distributed Generation and Carbon Sequestration in Northwest Indiana
HPD-P20	Wed 9-12 AM	Kathryn Berchtold	LLNL	Photopolymerization/Pyrolysis Route to Microstructured Membrane Development
HPD-P21	Wed 1:30-5 PM	Robert Shinkle	Edison Materials Tech Center	Improved Materials to Support the Hydrogen Economy
HPD-P22	Wed 1:30-5 PM	Paul Williamson	University of Montana	Hydrogen Futures Park at the University of Montana
		<u>Presenter</u>	<u>Organization</u>	<u>Storage</u>
ST-P1	Tues 9-12 AM	Andrew Weisberg	LLNL	Next Generation Hydrogen Storage
ST-P2	Tues 9-12 AM	Channing Ahn	Caltech	H2 Storage in Metal-Modified Single-Wall Carbon Nanotubes
ST-P3	Tues 9-12 AM	Lee Stefanakos	University of South Florida	Hydrogen Production, Storage and Conversion Research Activities at the University of South Florida
ST-P4	Tues 9-12 AM	Steven Beckman	University of South Carolina	Expanding Clean Energy Research and Education at the University of South Carolina
ST-P5	Tues 9-12 AM	Rebecca Taylor	Natl Center for Manf.Sciences	Advanced Manufacturing Technologies for Renewable Energy Applications
		<u>Presenter</u>	<u>Organization</u>	<u>Safety and Codes, and Standards</u>
SCS-P1	Wed 1:30-5 PM	Roland Pitts	NREL	Interfacial Stability of Thin Film H2 Sensors
SCS-P2	Wed 1:30-5 PM	Michael Swain	University of Miami	Standards Analysis